

What is claimed and desired to be secured by Letters Patent is as follows:

1. A livestock stanchion latching mechanism comprising:

a plurality of substantially vertical posts fixed between a substantially horizontal base rail and a substantially horizontal slider rail to form a frame

5 having a series of livestock openings between said posts;

a restraining stanchion pivotally fixed to and co-planar with said frame within each of said openings, each of said restraining stanchions pivots

between first positions in which said restraining stanchion presents a diagonal orientation in a said opening and a second position in which said

10 restraining stanchion presents a substantially vertical orientation in a said opening;

a latch head fixed to an end region of restraining stanchion;

a latch pin fixed to said restraining stanchion, said latch pin releaseably connects to a latch pin receiver assembly, said latch pin receiver

15 assembly coupled to a rotatable cam shaft mounted to said frame, wherein said cam shaft is rotated to move said latch pin receiver between

an deployed position to engage said latch pin thereby locking said restraining stanchion into said second position and a retracted position to release said latch pin.

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2. A livestock stanchion latching mechanism as claimed in claim 1, wherein said slider rail is positioned between said latch pin and said end region of said restraining stanchion.

3. A livestock stanchion latching mechanism as claimed in claim 2, wherein said camshaft is mounted to said frame distal to said slider rail.

5 4. A livestock stanchion latching mechanism as claimed in claim 3, wherein said slider rail is above said base rail.

5. A livestock stanchion latching mechanism as claimed in claim 3, wherein said slider rail is below said base rail.

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6. A livestock stanchion latching mechanism as claimed in claim 2, wherein said cam shaft is mounted within said slider rail, said slider rail having ports through which said latch pin receiver assembly may pass as said cam shaft is rotated.

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7. A livestock stanchion latching mechanism as claimed in claim 6, wherein said slider rail is above said base rail.

8. A livestock stanchion latching mechanism as claimed in claim 6, wherein
20 said slider rail is below said base rail.

9. A livestock stanchion latching mechanism as claimed in claim 2, wherein said camshaft is mounted to said frame between said slider rail and said end region.

5 10. A livestock stanchion latching mechanism as claimed in claim 9, wherein said slider rail is above said base rail.

11. A livestock stanchion latching mechanism as claimed in claim 9, wherein said slider rail is below said base rail.

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12. A livestock stanchion latching mechanism as claimed in claim 1, wherein said latch pin is positioned between said slider rail and said end region of said restraining stanchion.

15 13. A livestock stanchion latching mechanism as claimed in claim 12, wherein said camshaft is mounted to said frame distal to said slider rail.

14. A livestock stanchion latching mechanism as claimed in claim 13, wherein said slider rail is above said base rail.

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15. A livestock stanchion latching mechanism as claimed in claim 13, wherein said slider rail is below said base rail.

16. A livestock stanchion latching mechanism as claimed in claim 12, wherein said cam shaft is mounted within said slider rail, said slider rail having ports through which said latch pin receiver assembly may pass as said cam shaft is rotated.

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17. A livestock stanchion latching mechanism as claimed in claim 16, wherein said slider rail is above said base rail.

18. A livestock stanchion latching mechanism as claimed in claim 16, wherein
10 said slider rail is below said base rail.

19. A livestock stanchion latching mechanism as claimed in claim 12, wherein said camshaft is mounted to said frame between said slider rail and said end region.

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20. A livestock stanchion latching mechanism as claimed in claim 19, wherein said slider rail is above said base rail.

21. A livestock stanchion latching mechanism as claimed in claim 19, wherein
20 said slider rail is below said base rail.

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